

ABSTRACT

The invention relates to a system and a method whereby automation code is generated based on existing descriptions of a plant structure. The components of the plant are represented by functional modules and have ports for data transmission. Signals, allocated to the functional modules are transmitted via the ports. A signal can be allocated to more than one port, for example, because it denotes the currently active port. The signals are assigned meta-information. Automation code is automatically generated based on the configuration of the signals.